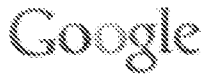


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... technology relies on "zero-mode waveguides" and a **tethered polymerase** to ... To overcome the **fluorescent** background, Weninger and his team optimized ...  
[www.biotechniques.com/.../2010/.../biotechniques-307083.html?...](#) - [Cached](#)

**[PDF] Polymerase Chain Reaction End Labeling, Nick & Replacement - Slide 1**  
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 Bridge-amplification & **fluorescent** dyes: Illumina ... **Tethered polymerase** adds F-dNTP then cleaves F to add next F-dNTP; CCD images single polymerase rxns ...  
[kcampbell.bio.umb.edu/.../BiomedicalTracersNucleicAcids.ppt](#) - [Similar](#)

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 by J Shendure - 2008 - Cited by 487 - [Related articles](#)  
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[www.fbas.org/.../Next%20generation%20dnp%20DNA%20sequencing.pdf](#)

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[www.utd-f.org/seminars/conferences/utd2010/MEMES\\_UTHF-2010.pdf](#)

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 Feb 12, 2008 ... **Tethered polymerase** in waveguide wells. Note: there are also higher tech versions of ... **fluorescently**-labeled copy of your target DNA. ...  
[www-nmr.csbm.rutgers.edu/academic/.../Biochem412\\_08Feb12\\_1a\\_sa.pdf](#)

**Next-gen DNA sequencing goes single molecule - Ars Technica OpenForum**

10 posts - 7 authors - Last post: Apr 10, 2008  
 The combination of number of **fluorescent** tags vs. possible nucleotide ... nucleotides in conjunction with a labeled, **tethered polymerase**. ...  
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**Viewing the Action of DNA Polymerase | Science/AAAS**

by K Fungat - 2009  
 Jan 2, 2009... sufficient **fluorescent** signal in single-molecule realizations and ... as a single surface-**tethered polymerase** acts on a primer template. ...  
[www.sciencemag.org/content/323/5810/12.13.full](#)

**COMPOSITIONS FOR REAL-TIME, SINGLE MOLECULE SEQUENCE DETERMINATION...**

by S Hardin - 2010  
 Dec 2, 2010 ... Upon incorporation the **fluorescent** tag and quenching moiety are separated, ... structures each having at least one **tethered polymerase**, ...  
[www.freepatentsonline.com/fy2010/0304367.html](#) - [Cached](#)

**Box 3 : Next-generation DNA sequencing : Nature Biotechnology**

Oct 9, 2008... be restricted to a zeptoliter-scale volume around a surface-**tethered polymerase** such that incorporation of nucleotides (with **fluorescent** ...  
[www.nature.com/nbt/journal/v26/n10/box/nbt1486\\_Box3.html](#)

**[PDF] Foresight infectious Diseases: preparing for the future**

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 massively improved by the use of **fluorescent** dyes and capillary separation of .... incorporation of labelled nucleotides by a **tethered polymerase**. ...  
[www.bis.gov.uk/assets/bis/partners/foresight/docs/infectious.../s6.pdf](#)

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